

TECHNICAL BULLETIN

DERMOTHIX 75

Chemical Name: PEG-75 Stearyl Ether Dimer IPDI
INCI Name: Disteareth-75 IPDI
CA Index Name: Poly(oxy-1,2-Ethanediy),Alpha.-Hydro-,Omega.-
(Octadecyloxy)-Ester with[3-[(Carboxyamino)Methyl]-3,5,5-
Trimethylcycohexyl]Carbamic Acid
CAS Number: 53533-75-8 (Generic)
EINECS: Polymer

SPECIFICATIONS:

Appearance	Waxy Solid
Color	Off-White to Cream
Odor	Mild, Characteristic
Ionic Nature	Nonionic
Non-Volatile, %	100
Molecular Wt. (Average)	7100
Melting Point, °C	50
pH 1.0% Dispersion	7.0

SOLUBILITY: Soluble in (HOT) propylene glycol, alcohols, mineral and vegetable oils.

SUGGESTED APPLICATIONS:

Dermothix-75, is a nonionic thickener and rheology modifier that can be used as a replacement for Alkanolamides such as Lauramide or Cocamide DEA in shampoos and shower gel formulations. Like Alkanolamides, Dermothix-75 is not soluble in water, but in combination with surfactants, it forms clear viscous solutions. Since Dermothix-75 is nonionic, it is compatible with all types of surfactants such as cationic, anionic or amphoteric. Dermothix-75 can be used as a clarifier in Sodium Stearate soaps and in clear anti-perspirant sticks where it imparts body and firmness and prevents whitening.

This information is believed to be reliable, but it is not to be construed as a warranty and no patent liability is assumed.